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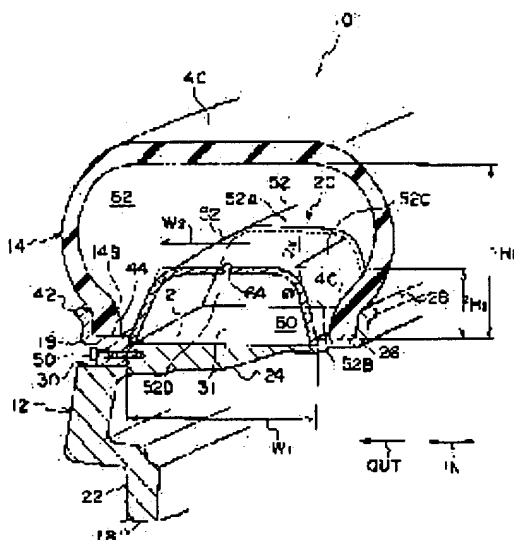
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## (54) RIM WHEEL WITH CORE AND TIRE RIM WHEEL ASSEMBLY

## (57)Abstract:

PROBLEM TO BE SOLVED: To provide a tire rim wheel assembly capable of improving silence and maneuvering stability, large required performance of an automobile, and improving safety at the time of tire puncture without sacrificing other performance such as riding comfortableness.

SOLUTION: A annular core 20 is obtained by connecting four box-shaped core pieces 52 within a tire 14. The tire 14 and the core 20 are inserted into an outer peripheral surface of a rim wheel structural member 16 and subsequently a second rim wheel structural member 18 is connected with the first rim wheel structural member 16. When the core 20 is arranged in a rim outer peripheral part, four sub air chambers 60 surrounded by the core 20 and the rim outer peripheral part are formed. A communicating hole 64 of the core piece 52 and the sub air chamber 60 function as Helmholtz resonator sound absorbers and cavity resonance of the tire 14 to be one of causes for car inside noise can be reduced. Since the normal tire 14 can be used, riding comfortableness is not deteriorated.



## LEGAL STATUS

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